

PHYSICAL DATA

Ref No.	Nominal Cross-Sectional Area mm ²	Number and Diameter of Wires no./mm	Number of Cores	Nominal Diameter of Cable mm	Approx Nett Weight kg/km	Gland Male Conduit Thread Size			Fixing Clip Ref.
						20mm	25mm	32mm	
97HUF3/1.5	1.5	7/0.53	TWIN	9.7	140	252/93	253/94		NX4
97HUF3/2.5	2.5	7/0.67	and	11.0	190	252/93	253/94		NX4
97HUF3/4	4.0	7/0.85	EARTH	12.2	260		254/94		NX6
97HUF3/6	6.0	7/1.04		13.6	340		254/94		NX6
97HUF3/10	10.0	7/1.35		16.2	520		254/94		NX11
97HUF3/16	16.0	7/1.70		18.6	750			255/95	NX11
97HUF4/1.5	1.5	7/0.53	THREE	10.4	160	242/93	253/94		NX4
97HUF4/2.5	2.5	7/0.67	CORE	11.9	225	252/93	253/94		NX5
97HUF4/4	4.0	7/0.85	and	13.4	310		254/94		NX6
97HUF4/6	6.0	7/1.04	EARTH	15.0	420		254/94		NX8
97HUF4/10	10.0	7/1.35		17.7	640			255/95	NX11
97HUF4/16	16.0	7/1.70		20.5	930			255/95	NX14
97HUF5/1.5	1.5	7/0.53	FOUR	11.2	190	252/93	253/94		NX4
97HUF5/2.5	2.5	7/0.67	CORE	12.9	270	252/93	253/94		NX5
97HUF5/4	4.0	7/0.85	and	14.3	370		254/94		NX8
97HUF5/6	6.0	7/1.04	EARTH	16.6	520		254/94		NX11
97HUF5/10	10.0	7/1.35		19.5	780			255/95	NX14
97HUF5/16	16.0	7/1.70		22.7	1150			280/111*	NX14

*This Gland has a 40mm thread size.

CURRENT RATINGS AND ASSOCIATED VOLTS DROP

Ambient temperature: 30°C.

Conductor operating temperature: 70°C.

Phase Conductor Cross-Sectional Area mm ²	One twin and Earth Cable Single Phase a.c. or d.c.			One Three Core and Earth or Four Core and earth Cable, Three Phase a.a.		
	Current Rating		Volt Drop Per Amp Per Metre mV	Current Rating		Volt Drop Per Amp Per Metre mV
	Installation Methods 1&2 A	Installation Methods 11&13 B		Installation Methods 1&2 A	Installation Methods 11&13 A	
1.5	19.5	22	29.0	17.5	18.5	25.0
2.5	27.0	30	18.0	24.0	25.0	15.0
4.0	26.0	40	11.0	32.0	34.0	9.5
6.0	46.0	51	7.3	41.0	43.0	6.4
10.0	63.0	70	4.4	57.0	60.0	3.8
16.0	85.0	94	2.8	76.0	80.0	2.4

Methods of installation as defined in IEE Wiring Regulations, Appendix 4, Table 4D2A or BS 7671, 16th Edition.

- Method 1** - Open and clipped direct.
Method 2 - Cables embedded direct in building materials.
Method 11 - On a perforated cable tray bunched and unenclosed.
Method 13 - In free air.

The above ratings are applicable to installations with close excess current protection, i.e. a fuse to BS 88 or BS 1361, or a circuit breaker to BS 3871. Where coarse excess current protection is provided, i.e. a semi enclosed fuse to BS 3036, the ratings above must be divided by 1.38.

RATINGS FACTORS

For ambient temperatures other than 30°C, the ratings must be multiplied by the following factors

Ambient Temp. (°C)	25	35	40	45	50	55	60	65
Factor for close excess current protection	1.03	0.94	0.87	0.79	0.71	0.61	0.5	0.35
Factor for coarse excess current protection	1.03	0.97	0.94	0.91	0.87	0.84	0.69	0.48

CORE COLOUR IDENTIFICATION

No. of Cores	Red	Black	Blue	Yellow	Green/Yellow
2 Core + Earth	•	•			•
3 Core + Earth	•		•	•	•
4 Core + Earth	•	•	•	•	•

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